

# **REASON**

- **When PGS failures occur, the crew must be able to identify, troubleshoot, and correct the problem.**

# **TRAINING OBJECTIVE**

- **Given an operational M2/M3 BFV with PGS installed and aligned, you will perform the following IAW TM 9-6920-710-12&P-1:**
  - **Discuss troubleshooting procedures**
  - **Perform BIT initialization and discuss failure information**
  - **Conduct troubleshooting**

# **GENERAL PROCEDURES**

- **Perform troubleshooting IAW TM 9-6920-710-12&P-1, Chapters 3 and 4**
- **Verify all connections within PGS and between PGS and BFV**
- **Check PGS for visible damage**
- **Replace components if needed**

## **SAFETY**

- **No corrective action with vehicle master power switch and turret power switch in ON position**

## **WARNING**

**Perform all corrective action with vehicle master power switch and turret power switch in OFF position.**

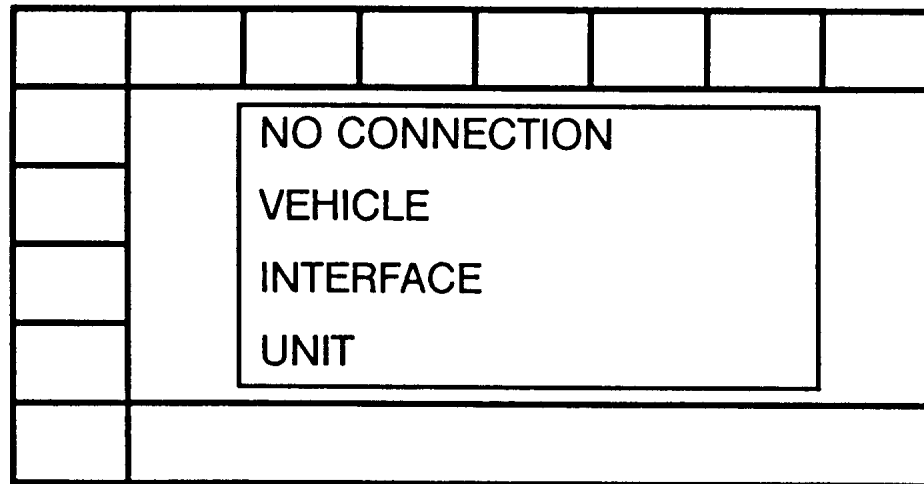
**Damage could occur to PGS or BFV or personnel could be injured if cables are connected or disconnected with master power and turret power switched on.**

# **BIT INITIALIZATION**

- **Automatic BIT at power up**
- **Before and after simulation**
- **Manual initialization**

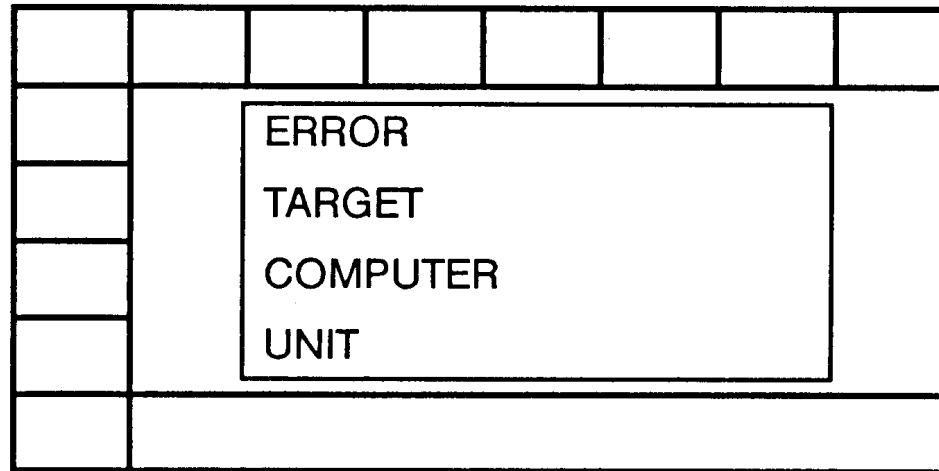
# ERROR INFORMATION

- **NO CONNECTION X UNIT**



# ERROR INFORMATION

- **ERROR X UNIT**



# **ERROR PRESENTATION**

- **Intercom announcement**
- **Pop-up screen on control panel**
- **Error list**
- **TDRS memory card**



# **ERRORS NOT COVERED BY BIT**

- **Transceiver unit output**
- **System accuracy**
- **Vehicle interface**

# LED INDICATIONS

- **Vehicle interface unit**
- **Target computer unit**
- **TBOS driver unit**
- **Remote system interface (RSI) unit**

**Notes:**

- 1. Blinking light indicates power applied OK.**
- 2. TBOS driver unit only indicates during operation of PGS.**

# **SUMMARY**

- **Troubleshooting procedures**
- **BIT initialization and failure information**
- **Practical troubleshooting**

## **CLOSING STATEMENT**

- **This block of instruction has prepared you to understand troubleshooting procedures used with PGS.**